This listing of claims will replace all prior versions of claims in the application.

Claim 1. (original) A method of qualifying kidney transplant rejection status in a subject comprising:

(a) measuring at least one Biomarker in a sample from the subject, wherein the Biomarker is selected from the group consisting of

Biomarker 1: having a molecular weight of about 2.5 kD;
Biomarker 2: having a molecular weight of about 2.6 kD;
Biomarker 3: having a molecular weight of about 3.4 kD;
Biomarker 4: having a molecular weight of about 3.5 kD;
Biomarker 5: having a molecular weight of about 3.8 kD;
Biomarker 6: having a molecular weight of about 4.1 kD;
Biomarker 7: having a molecular weight of about 4.7 kD;
Biomarker 8: having a molecular weight of about 4.8 kD;
Biomarker 9: having a molecular weight of about 5.0 kD;
Biomarker 10: having a molecular weight of about 5.5 kD;
Biomarker 11: having a molecular weight of about 5.6 kD;
Biomarker 12: having a molecular weight of about 6.1 kD;
Biomarker 13: having a molecular weight of about 6.4 kD;
Biomarker 14: having a molecular weight of about 6.5 kD;
Biomarker 15: having a molecular weight of about 6.6 kD;
Biomarker 16: having a molecular weight of about 6.7 kD;
Biomarker 17: having a molecular weight of about 6.8 kD;
Biomarker 18: having a molecular weight of about 7.0 kD;
Biomarker 19: having a molecular weight of about 7.1 kD;
Biomarker 20: having a molecular weight of about 7.3 kD;
Biomarker 21: having a molecular weight of about 7.5 kD;
Biomarker 22: having a molecular weight of about 7.8 kD;
Biomarker 23: having a molecular weight of about 8.0 kD;

Biomarker 24: having a molecular weight of about 8.1 kD;

Biomarker 25: having a molecular weight of about 9.0 kD;

Biomarker 26: having a molecular weight of about 9.1 kD;

Biomarker 27: having a molecular weight of about 9.3 kD;

Biomarker 28: having a molecular weight of about 9.6 kD;

Biomarker 29: having a molecular weight of about 9.7 kD;

Biomarker 30: having a molecular weight of about 9.8 kD;

Biomarker 31: having a molecular weight of about 10.0 kD;

Biomarker 32: having a molecular weight of about 10.8 kD;

Biomarker 33: having a molecular weight of about 10.9 kD;

Biomarker 34: having a molecular weight of about 11.3 kD;

Biomarker 35: having a molecular weight of about 13.4 kD;

Biomarker 36: having a molecular weight of about 13.9 kD;

Biomarker 37: having a molecular weight of about 14.7 kD;

Biomarker 38: having a molecular weight of about 14.8 kD;

Biomarker 39: having a molecular weight of about 15.1 kD;

Biomarker 40: having a molecular weight of about 15.2 kD;

Biomarker 41: having a molecular weight of about 16.1 kD;

Biomarker 42: having a molecular weight of about 25.0 kD;

Biomarker 43: having a molecular weight of about 28.0 kD;

Biomarker 44: having a molecular weight of about 50.0 kD;

Biomarker 45: having a molecular weight of about 50.1 kD;

Biomarker 46: having a molecular weight of about 51.1 kD;

Biomarker 47: having a molecular weight of about 51.3 kD;

Biomarker 48: having a molecular weight of about 67.0 kD; and combinations thereof, and

(b) correlating the measurement with kidney transplant rejection status.

Claims 2-5. (cancelled)

Claim 6. (original) A method for differentiating between a diagnosis of kidney rejection and non-rejection comprising:

(a) detecting in a subject sample an amount of at least one Biomarker selected from the group consisting of:

Biomarker 3: having a molecular weight of about 3.4 kD;
Biomarker 6: having a molecular weight of about 4.1 kD;
Biomarker 14: having a molecular weight of about 6.5 kD;
Biomarker 15: having a molecular weight of about 6.6 kD;
Biomarker 16: having a molecular weight of about 6.7 kD;
Biomarker 18: having a molecular weight of about 7.0 kD;
Biomarker 19: having a molecular weight of about 7.1 kD;
Biomarker 20: having a molecular weight of about 7.3 kD;
Biomarker 21: having a molecular weight of about 7.5 kD;
Biomarker 22: having a molecular weight of about 7.8 kD;
Biomarker 23: having a molecular weight of about 8.0 kD;
Biomarker 32: having a molecular weight of about 10.8 kD;
Biomarker 35: having a molecular weight of about 13.4 kD; and

(b) correlating the amount with a diagnosis of kidney transplant rejection or non-rejection.

Claim 7. (original) A method for differentiating between a diagnosis of kidney rejection and non-rejection comprising:

(a) detecting in a subject sample an amount of at least one Biomarker selected from the group consisting of:

Biomarker 25: having a molecular weight of about 9.0 kD;
Biomarker 29: having a molecular weight of about 9.7 kD;
Biomarker 30: having a molecular weight of about 9.8 kD and

(b) correlating the amount with a diagnosis of kidney transplant rejection or non-rejection.

Claims 8-23. (cancelled)

Claim 24. (original) A kit for aiding the diagnosis of kidney transplant rejection, comprising:

an adsorbent attached to a substrate, wherein the adsorbent retains one or more Biomarkers selected from:

Biomarker 1: having a molecular weight of about 2.5 kD;
Biomarker 2: having a molecular weight of about 2.6 kD;
Biomarker 3: having a molecular weight of about 3.4 kD;
Biomarker 4: having a molecular weight of about 3.5 kD;
Biomarker 5: having a molecular weight of about 3.8 kD;
Biomarker 6: having a molecular weight of about 4.1 kD;
Biomarker 7: having a molecular weight of about 4.7 kD;
Biomarker 8: having a molecular weight of about 4.8 kD;
Biomarker 9: having a molecular weight of about 5.0 kD;
Biomarker 10: having a molecular weight of about 5.5 kD;
Biomarker 11: having a molecular weight of about 5.6 kD;
Biomarker 12: having a molecular weight of about 6.1 kD;
Biomarker 13: having a molecular weight of about 6.4 kD;
Biomarker 14: having a molecular weight of about 6.5 kD;
Biomarker 15: having a molecular weight of about 6.6 kD;
Biomarker 16: having a molecular weight of about 6.7 kD;
Biomarker 17: having a molecular weight of about 6.8 kD;
Biomarker 18: having a molecular weight of about 7.0 kD;
Biomarker 19: having a molecular weight of about 7.1 kD;
Biomarker 20: having a molecular weight of about 7.3 kD;
Biomarker 21: having a molecular weight of about 7.5 kD;

Biomarker 22: having a molecular weight of about 7.8 kD;

Biomarker 23: having a molecular weight of about 8.0 kD;

Biomarker 24: having a molecular weight of about 8.1 kD;

Biomarker 25: having a molecular weight of about 9.0 kD;

Biomarker 26: having a molecular weight of about 9.1 kD;

Biomarker 27: having a molecular weight of about 9.3 kD;

Biomarker 28: having a molecular weight of about 9.6 kD;

Biomarker 29: having a molecular weight of about 9.7 kD;

Biomarker 30: having a molecular weight of about 9.8 kD;

Biomarker 31: having a molecular weight of about 10.0 kD;

Biomarker 32: having a molecular weight of about 10.8 kD;

Biomarker 33: having a molecular weight of about 10.9 kD;

Biomarker 34: having a molecular weight of about 11.3 kD;

Biomarker 35: having a molecular weight of about 13.4 kD;

Biomarker 36: having a molecular weight of about 13.9 kD;

Biomarker 37: having a molecular weight of about 14.7 kD;

Biomarker 38: having a molecular weight of about 14.8 kD;

Biomarker 39: having a molecular weight of about 15.1 kD;

Biomarker 40: having a molecular weight of about 15.2 kD;

Biomarker 41: having a molecular weight of about 16.1 kD;

Biomarker 42: having a molecular weight of about 25.0 kD;

Biomarker 43: having a molecular weight of about 28.0 kD;

Biomarker 44: having a molecular weight of about 50.0 kD;

Biomarker 45: having a molecular weight of about 50.1 kD;

Biomarker 46: having a molecular weight of about 51.1 kD;

Biomarker 47: having a molecular weight of about 51.3 kD; and

Biomarker 48: having a molecular weight of about 67.0 kD.

Claims 25-34. (cancelled)

Claim 36. (original) A protein purified on a biochip selected from:

Biomarker 1: having a molecular weight of about 2.5 kD;

Biomarker 2: having a molecular weight of about 2.6 kD;

Biomarker 3: having a molecular weight of about 3.4 kD;

Biomarker 4: having a molecular weight of about 3.5 kD;

Biomarker 5: having a molecular weight of about 3.8 kD;

Biomarker 6: having a molecular weight of about 4.1 kD;

Biomarker 7: having a molecular weight of about 4.7 kD;

Biomarker 8: having a molecular weight of about 4.8 kD;

Biomarker 9: having a molecular weight of about 5.0 kD;

Biomarker 10: having a molecular weight of about 5.5 kD;

Biomarker 11: having a molecular weight of about 5.6 kD;

Biomarker 12: having a molecular weight of about 6.1 kD;

Biomarker 13: having a molecular weight of about 6.4 kD;

Biomarker 14: having a molecular weight of about 6.5 kD;

Biomarker 15: having a molecular weight of about 6.6 kD;

Biomarker 16: having a molecular weight of about 6.7 kD;

Biomarker 17: having a molecular weight of about 6.8 kD;

Biomarker 18: having a molecular weight of about 7.0 kD;

Biomarker 19: having a molecular weight of about 7.1 kD;

Biomarker 20: having a molecular weight of about 7.3 kD;

Biomarker 21: having a molecular weight of about 7.5 kD;

Biomarker 22: having a molecular weight of about 7.8 kD;

Biomarker 23: having a molecular weight of about 8.0 kD;

Biomarker 24: having a molecular weight of about 8.1 kD;

Biomarker 25: having a molecular weight of about 9.0 kD;

Biomarker 26: having a molecular weight of about 9.1 kD;

Biomarker 27: having a molecular weight of about 9.3 kD;

Biomarker 28: having a molecular weight of about 9.6 kD;

Biomarker 29: having a molecular weight of about 9.7 kD;

Biomarker 30: having a molecular weight of about 9.8 kD;

Biomarker 31: having a molecular weight of about 10.0 kD;

Biomarker 32: having a molecular weight of about 10.8 kD;

Biomarker 33: having a molecular weight of about 10.9 kD;

Biomarker 34: having a molecular weight of about 11.3 kD;

Biomarker 35: having a molecular weight of about 13.4 kD;

Biomarker 36: having a molecular weight of about 13.9 kD;

Biomarker 37: having a molecular weight of about 14.7 kD;

Biomarker 38: having a molecular weight of about 14.8 kD;

Biomarker 39: having a molecular weight of about 15.1 kD;

Biomarker 40: having a molecular weight of about 15.2 kD;

Biomarker 41: having a molecular weight of about 16.1 kD;

Biomarker 42: having a molecular weight of about 25.0 kD;

Biomarker 43: having a molecular weight of about 28.0 kD;

Biomarker 44: having a molecular weight of about 50.0 kD;

Biomarker 45: having a molecular weight of about 50.1 kD;

Biomarker 46: having a molecular weight of about 51.1 kD;

Biomarker 47: having a molecular weight of about 51.3 kD; and

Biomarker 48: having a molecular weight of about 67.0 kD.

Claims 37-61. (cancelled)

Claim 62. (original) An article manufacture comprising:

(a) at least one capture reagent that binds to at least one Biomarker selected from the group consisting of:

Biomarker 1: having a molecular weight of about 2.5 kD;
Biomarker 2: having a molecular weight of about 2.6 kD;
Biomarker 3: having a molecular weight of about 3.4 kD;
Biomarker 4: having a molecular weight of about 3.5 kD;
Biomarker 5: having a molecular weight of about 3.8 kD;
Biomarker 6: having a molecular weight of about 4.1 kD;
Biomarker 7: having a molecular weight of about 4.7 kD;
Biomarker 8: having a molecular weight of about 4.8 kD;
Biomarker 9: having a molecular weight of about 5.0 kD;
Biomarker 10: having a molecular weight of about 5.5 kD;
Biomarker 11: having a molecular weight of about 5.6 kD;
Biomarker 12: having a molecular weight of about 6.1 kD;
Biomarker 13: having a molecular weight of about 6.4 kD;
Biomarker 14: having a molecular weight of about 6.5 kD;
Biomarker 15: having a molecular weight of about 6.6 kD;
Biomarker 16: having a molecular weight of about 6.7 kD;
Biomarker 17: having a molecular weight of about 6.8 kD;
Biomarker 18: having a molecular weight of about 7.0 kD;
Biomarker 19: having a molecular weight of about 7.1 kD;
Biomarker 20: having a molecular weight of about 7.3 kD;
Biomarker 21: having a molecular weight of about 7.5 kD;
Biomarker 22: having a molecular weight of about 7.8 kD;
Biomarker 23: having a molecular weight of about 8.0 kD;
Biomarker 24: having a molecular weight of about 8.1 kD;
Biomarker 25: having a molecular weight of about 9.0 kD;
Biomarker 26: having a molecular weight of about 9.1 kD;

Biomarker 27: having a molecular weight of about 9.3 kD;

Biomarker 28: having a molecular weight of about 9.6 kD;

Biomarker 29: having a molecular weight of about 9.7 kD;

Biomarker 30: having a molecular weight of about 9.8 kD;

Biomarker 31: having a molecular weight of about 10.0 kD;

Biomarker 32: having a molecular weight of about 10.8 kD;

Biomarker 33: having a molecular weight of about 10.9 kD;

Biomarker 34: having a molecular weight of about 11.3 kD;

Biomarker 35: having a molecular weight of about 13.4 kD;

Biomarker 36: having a molecular weight of about 13.9 kD;

Biomarker 37: having a molecular weight of about 14.7 kD;

Biomarker 38: having a molecular weight of about 14.8 kD;

Biomarker 39: having a molecular weight of about 15.1 kD;

Biomarker 40: having a molecular weight of about 15.2 kD;

Biomarker 41: having a molecular weight of about 16.1 kD;

Biomarker 42: having a molecular weight of about 25.0 kD;

Biomarker 43: having a molecular weight of about 28.0 kD;

Biomarker 44: having a molecular weight of about 50.0 kD;

Biomarker 45: having a molecular weight of about 50.1 kD;

Biomarker 46: having a molecular weight of about 51.1 kD;

Biomarker 47: having a molecular weight of about 51.3 kD;

Biomarker 48: having a molecular weight of about 67.0 kD.

Claims 63-64. (cancelled)

Claim 65. (original) A system comprising:

(a) a plurality of capture reagents each of which has bound to it a different Biomarker selected from

Biomarker 1: having a molecular weight of about 2.5 kD;

Biomarker 2: having a molecular weight of about 2.6 kD;
Biomarker 3: having a molecular weight of about 3.4 kD;
Biomarker 4: having a molecular weight of about 3.5 kD;
Biomarker 5: having a molecular weight of about 3.8 kD;
Biomarker 6: having a molecular weight of about 4.1 kD;
Biomarker 7: having a molecular weight of about 4.7 kD;
Biomarker 8: having a molecular weight of about 4.8 kD;
Biomarker 9: having a molecular weight of about 5.0 kD;
Biomarker 10: having a molecular weight of about 5.5 kD;
Biomarker 11: having a molecular weight of about 5.6 kD;
Biomarker 12: having a molecular weight of about 6.1 kD;
Biomarker 13: having a molecular weight of about 6.4 kD;
Biomarker 14: having a molecular weight of about 6.5 kD;
Biomarker 15: having a molecular weight of about 6.6 kD;
Biomarker 16: having a molecular weight of about 6.7 kD;
Biomarker 17: having a molecular weight of about 6.8 kD;
Biomarker 18: having a molecular weight of about 7.0 kD;
Biomarker 19: having a molecular weight of about 7.1 kD;
Biomarker 20: having a molecular weight of about 7.3 kD;
Biomarker 21: having a molecular weight of about 7.5 kD;
Biomarker 22: having a molecular weight of about 7.8 kD;
Biomarker 23: having a molecular weight of about 8.0 kD;
Biomarker 24: having a molecular weight of about 8.1 kD;
Biomarker 25: having a molecular weight of about 9.0 kD;
Biomarker 26: having a molecular weight of about 9.1 kD;
Biomarker 27: having a molecular weight of about 9.3 kD;
Biomarker 28: having a molecular weight of about 9.6 kD;
Biomarker 29: having a molecular weight of about 9.7 kD;

Biomarker 30: having a molecular weight of about 9.8 kD;

Biomarker 31: having a molecular weight of about 10.0 kD;

Biomarker 32: having a molecular weight of about 10.8 kD;

Biomarker 33: having a molecular weight of about 10.9 kD;

Biomarker 34: having a molecular weight of about 11.3 kD;

Biomarker 35: having a molecular weight of about 13.4 kD;

Biomarker 36: having a molecular weight of about 13.9 kD;

Biomarker 37: having a molecular weight of about 14.7 kD;

Biomarker 38: having a molecular weight of about 14.8 kD;

Biomarker 39: having a molecular weight of about 15.1 kD;

Biomarker 40: having a molecular weight of about 15.2 kD;

Biomarker 41: having a molecular weight of about 16.1 kD;

Biomarker 42: having a molecular weight of about 25.0 kD;

Biomarker 43: having a molecular weight of about 28.0 kD;

Biomarker 44: having a molecular weight of about 50.0 kD;

Biomarker 45: having a molecular weight of about 50.1 kD;

Biomarker 46: having a molecular weight of about 51.1 kD;

Biomarker 47: having a molecular weight of about 51.3 kD;

Biomarker 48: having a molecular weight of about 67.0 kD.